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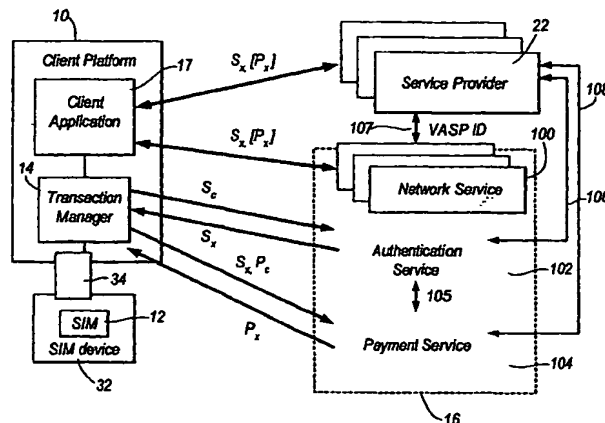
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0311729.8 21 May 2003 (21.05.2003) GB
- (71) Applicant (*for all designated States except US*): VODAFONE GROUP PLC. [GB/GB]; Vodafone House, The Connection, Newbury, Berkshire RG14 2FN (GB).
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(54) Title: FACILITATING AND AUTHENTICATING TRANSACTIONS



(57) Abstract: A device or "dongle" (30) is provided for controlling communications between a Subscriber Identity Module (or SIM) (12), such as of the type used in a GSM cellular telephone system, and a computer, such as a Windows-based PC (10). The SIM (12) can be authenticated by the telephone network, in the same way as for authenticating SIMs of telephone handset users in the network, and can in this way authenticate the user of the PC (10) or the PC (10) itself. Such authentication can, for example, permit use of the PC (10) for a time-limited session in relation to a particular application, which is released to the PC (10), after the authentication is satisfactorily completed. The application may be released to the PC (10) by a third party after and in response to the satisfactory completion of the authentication process. A charge for the session can be debited to the user by the telecommunications network and then passed on to the third party. The dongle (30) provides additional security for the authentication data stored on the SIM by requiring a PIN to be entered and/or by only being responsive to requests received from the PC (10) which are encrypted using a key, which requests are generated by a special PC interface driver (38).

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB 01/0871

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F17/60 G07F7/10 G06F21/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F G07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 076 279 A (HEWLETT PACKARD CO) 14 February 2001 (2001-02-14) column 2, line 11 -column 2, line 47; claims 10,18; figure 14 column 3, line 48 -column 3, line 51 column 7, line 48 -column 7, line 53 column 12, line 34 -column 12, line 44 column 29, line 12 -column 30, line 38 column 39, line 15 -column 39, line 22 column 51, line 25 -column 51, line 28 ---	1-55
X	EP 1 229 476 A (SONY COMP ENTERTAINMENT AMERIC) 7 August 2002 (2002-08-07) column 5, line 43 -column 12, line 49; claim 17; figure 1 --- -/-	1-55

☒ Further documents are listed in the continuation of box C.

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# INTERNATIONAL SEARCH REPORT

International Application No  
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 449 651 B1 (DORFMAN ALEXANDER ET AL) 10 September 2002 (2002-09-10) column 5, line 23 -column 9, line 32; claims 2,4; figure 1	1-20
X	US 5 754 646 A (WILLIAMS THOMAS H ET AL) 19 May 1998 (1998-05-19) column 3, line 47 -column 4, line 30; claim 1; figure 1 column 6, line 14 -column 8, line 48	1,2, 7-10,20
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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			WO 9704412 A2	06-02-1997
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LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,  
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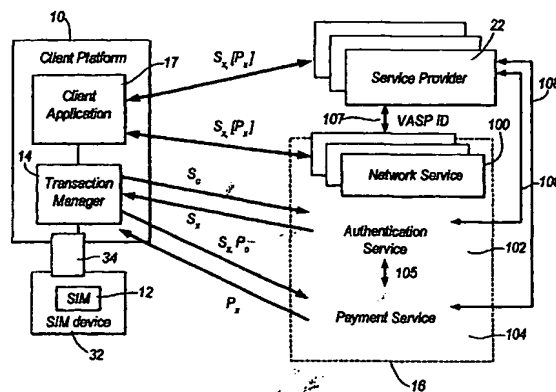
(84) Designated States (*regional*): ARIPO patent (GH, GM,  
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(72) Inventors; and

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Name and mailing address of the ISA

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